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The list of claims will replace all prior versions and listings of claims in the application:

## **Listing of Claims:**

- 1-2. (Canceled)
- 3. (Currently Amended) The mixture according to Claim 10 [[1]], wherein the polypropylene polyalkylene glycol moiety has at least 5 or 6 polypropylene polyalkylene glycol subunits.
- 4. (Currently Amended) The mixture according to Claim <u>10</u> [[1]], wherein the <u>polypropylene</u> polyalkylene glycol moiety has at least 7 <u>polypropylene</u> polyalkylene glycol subunits.
- 5. (Currently Amended) The mixture according to Claim 10 [[1]], wherein the oligomer is covalently coupled to the drug.
- 6. (Currently Amended) The mixture according to Claim 10 [[4]], wherein the oligomer further comprises a lipophilic moiety.

## 7-9. (Canceled)

- 10. (Currently Amended) A substantially monodispersed mixture of conjugates, each conjugate comprising a drug coupled to an oligomer that comprises a polypropylene glycol moiety having at least 2 polypropylene glycol subunits The mixture according to Claim 7, wherein the lower alkyl polyalkylene glycol moiety is a polypropylene glycol moiety.
- 11. (Original) The mixture according to Claim 10, wherein the polypropylene glycol moiety is uniform.

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12. (Original) The mixture according to Claim 11, wherein the oligomer is devoid

of a lipophilic moiety, and wherein the conjugate is amphiphilically balanced such that it is

aqueously soluble and able to penetrate biological membranes.

13. (Currently Amended) The mixture according to Claim 10 [[1]], wherein at

least 96, 97, 98 or 99 percent of the conjugates in the mixture have the same molecular

weight.

14. (Currently Amended) The mixture according to Claim 10 [[1]], wherein the

mixture is a monodispersed mixture.

15. (Currently Amended) The mixture according to Claim 10 [[1]], wherein the

mixture is a substantially purely monodispersed mixture.

16. (Currently Amended) The mixture according to Claim 10 [[1]], wherein at

least 96<del>, 97, 98 or 99</del> percent of the conjugates in the mixture have the same molecular

weight and the same molecular structure.

17. (Currently Amended) The mixture according to Claim 10 [[1]], wherein the

mixture is a purely monodispersed mixture.

18. (Original) The mixture according to Claim 17, wherein the oligomer is

covalently coupled to the drug.

19. (Original) The mixture according to Claim 17, wherein the oligomer further

comprises a lipophilic moiety.

20-23. (Canceled)

24. (Currently Amended) The mixture according to Claim 17 [[23]], wherein the

polypropylene glycol moiety is uniform.

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25. (Original) The mixture according to Claim 24, wherein the oligomer is devoid of a lipophilic moiety, and wherein the conjugate is amphiphilically balanced such that it is aqueously soluble and able to penetrate biological membranes.

- 26. (Currently Amended) The mixture according to Claim 10 [[1]], wherein the mixture has an *in vivo* activity that is greater than the *in vivo* activity of a polydispersed mixture of drug-oligomer conjugates having the same number average molecular weight as the mixture.
- 27. (Currently Amended) The mixture according to Claim 10 [[1]], wherein the mixture has an *in vitro* activity that is greater than the *in vitro* activity of a polydispersed mixture of drug-oligomer conjugates having the same number average molecular weight as the mixture.
- 28. (Currently Amended) The mixture according to Claim 10 [[1]], wherein the mixture has an increased resistance to degradation by chymotrypsin when compared to the resistance to degradation by chymotrypsin of a polydispersed mixture of drug-oligomer conjugates having the same number average molecular weight as the mixture.
- 29. (Currently Amended) The mixture according to Claim 10 [[1]], wherein the mixture has an inter-subject variability that is less than the inter-subject variability of a polydispersed mixture of drug-oligomer conjugates having the same number average molecular weight as the mixture.
- 30. (Currently Amended) The mixture according to Claim 10 [[1]], wherein the drug is a polypeptide.
- 31. (Original) The mixture according to Claim 30, wherein the polypeptide is selected from the group consisting of adrenocorticotropic hormone peptides, adrenomedullin peptides, allatostatin peptides, amylin peptides, amyloid beta-protein fragment peptides, angiotensin peptides, antibiotic peptides, antigenic polypeptides, anti-microbial peptides, apoptosis related peptides, atrial natriuretic peptides, bag cell peptides, bombesin peptides,

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bone GLA peptides, bradykinin peptides, brain natriuretic peptides, C-peptides, C-type natriuretic peptides, calcitonin peptides, calcitonin gene related peptides, CART peptides, casomorphin peptides, chemotactic peptides, cholecystokinin peptides, colony-stimulating factor peptides, corticortropin releasing factor peptides, cortistatin peptides, cytokine peptides, dermorphin peptides, dynorphin peptides, endorphin peptides, endothelin peptides, ETa receptor antagonist peptides, ETb receptor antagonist peptides, enkephalin peptides, fibronectin peptides, galanin peptides, gastrin peptides, glucagon peptides, Gn-RH associated peptides, growth factor peptides, growth hormone peptides, GTP-binding protein fragment peptides, guanylin peptides, inhibin peptides, insulin peptides, interleukin peptides, laminin peptides, leptin peptides, leucokinin peptides, luteinizing hormone-releasing hormone peptides, mastoparan peptides, mast cell degranulating peptides, melanocyte stimulating hormone peptides, morphiceptin peptides, motilin peptides, neuro-peptides, neuropeptide Y peptides, neurotropic factor peptides, orexin peptides, opioid peptides, oxytocin peptides, PACAP peptides, pancreastatin peptides, pancreatic polypeptides, parathyroid hormone peptides, parathyroid hormone-related peptides, peptide T peptides, prolactin-releasing peptides, peptide YY peptides, renin substrate peptides, secretin peptides, somatostatin peptides, substance P peptides, tachykinin peptides, thyrotropin-releasing hormone peptides, toxin peptides, vasoactive intestinal peptides, vasopressin peptides, and virus related peptides.

32. (Original) The mixture according to Claim 30, wherein the oligomer is covalently coupled to a nucleophilic residue of the polypeptide.

## 33-37. (Canceled)

- 38. (Currently Amended) The mixture according to Claim <u>39</u> [[37]], wherein the polypropylene glycol moiety is uniform.
- 39. (Currently Amended) The mixture according to Claim 38, A substantially monodispersed mixture of conjugates, each conjugate comprising a drug coupled to an oligomer that comprises a polypropylene glycol moiety and wherein the oligomer is devoid of a lipophilic moiety, and wherein the conjugate is amphiphilically balanced such that it is aqueously soluble and able to penetrate biological membranes.

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40. (Currently Amended) The mixture according to Claim 39 [[1]], wherein the

oligomer is covalently coupled to the drug.

41-45. (Canceled)

46. (Currently Amended) The mixture according to Claim 39 [[45]], wherein the

polypropylene glycol moiety is uniform.

47. (Canceled)

48. (Currently Amended) The mixture according to Claim 10 [[1]], wherein each

conjugate comprises a plurality of oligomers.

(Original) The mixture according to Claim 48, wherein each oligomer in the 49.

plurality of oligomers is the same.

(Currently Amended) The mixture according to Claim 10 [[1]], wherein the 50.

oligomer comprises a first polyalkylene polypropylene glycol moiety covalently coupled to

the drug by a non-hydrolyzable bond and a second polyalkylene polypropylene glycol moiety

covalently coupled to the first polyalkylene polypropylene glycol moiety by a hydrolyzable

bond.

51. (Currently Amended) The mixture according to Claim 50 [[1]], wherein the

oligomer further comprises a lipophilic moiety covalently coupled to the second

polypropylene polyethylene glycol moiety.

52. (Canceled)

(Currently Amended) A pharmaceutical composition comprising: 53.

the mixture according to Claim 10 [[1]]; and

a pharmaceutically acceptable carrier.

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54. (Canceled)

- 55. (Currently Amended) The mixture according to Claim <u>61</u> [[54]], wherein the standard deviation of the molecular weight distribution is less than about 14 Daltons.
- 56. (Currently Amended) The mixture according to Claim <u>61</u> [[54]], wherein the standard deviation of the molecular weight distribution is less than about 11 Daltons.
  - 57. (Canceled)
- 58. (Currently Amended) The mixture according to Claim <u>61</u> [[57]], wherein the <u>polypropylene</u> lower alkyl polyalkylene glycol moiety has at least 7 <u>polypropylene</u> polyalkylene glycol subunits.
  - 59. (Canceled)
- 60. (Currently Amended) The mixture according to Claim <u>61</u> [[59]], wherein the oligomer further comprises a lipophilic moiety.
- 61. (Currently Amended) A mixture of conjugates each comprising a drug coupled to an oligomer that comprises a polypropylene glycol moiety, said mixture having a molecular weight distribution with a standard deviation of less than about 22 Daltons The mixture according to Claim 57, wherein the lower alkyl polyalkylene glycol moiety is a polypropylene glycol moiety.
- 62. (Original) The mixture according to Claim 61, wherein the polypropylene glycol moiety is uniform.
- 63. (Original) The mixture according to Claim 62, wherein the oligomer is devoid of a lipophilic moiety, and wherein the conjugate is amphiphilically balanced such that it is aqueously soluble and able to penetrate biological membranes.

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(Currently Amended) The mixture according to Claim 61 [[54]], wherein the 64. drug is a polypeptide selected from the group consisting of adrenocorticotropic hormone peptides, adrenomedullin peptides, allatostatin peptides, amylin peptides, amyloid betaprotein fragment peptides, angiotensin peptides, antibiotic peptides, antigenic polypeptides, anti-microbial peptides, apoptosis related peptides, atrial natriuretic peptides, bag cell peptides, bombesin peptides, bone GLA peptides, bradykinin peptides, brain natriuretic peptides, C-peptides, C-type natriuretic peptides, calcitonin peptides, calcitonin gene related peptides, CART peptides, casomorphin peptides, chemotactic peptides, cholecystokinin peptides, colony-stimulating factor peptides, corticortropin releasing factor peptides, cortistatin peptides, cytokine peptides, dermorphin peptides, dynorphin peptides, endorphin peptides, endothelin peptides, ETa receptor antagonist peptides, ETb receptor antagonist peptides, enkephalin peptides, fibronectin peptides, galanin peptides, gastrin peptides, glucagon peptides, Gn-RH associated peptides, growth factor peptides, growth hormone peptides, GTP-binding protein fragment peptides, guanylin peptides, inhibin peptides, insulin peptides, interleukin peptides, laminin peptides, leptin peptides, leucokinin peptides, luteinizing hormone-releasing hormone peptides, mastoparan peptides, mast cell degranulating peptides, melanocyte stimulating hormone peptides, morphiceptin peptides, motilin peptides, neuro-peptides, neuropeptide Y peptides, neurotropic factor peptides, orexin peptides, opioid peptides, oxytocin peptides, PACAP peptides, pancreastatin peptides, pancreatic polypeptides, parathyroid hormone peptides, parathyroid hormone-related peptides, peptide T peptides, prolactin-releasing peptides, peptide YY peptides, renin substrate peptides, secretin peptides, somatostatin peptides, substance P peptides, tachykinin peptides, thyrotropin-releasing hormone peptides, toxin peptides, vasoactive intestinal peptides, vasopressin peptides, and virus related peptides.

## 65. (Canceled)

- (Currently Amended) The mixture according to Claim 72 [[65]], wherein the 66. dispersity coefficient is greater than 100,000.
- 67. (Currently Amended) The mixture according to Claim 72 [[65]], wherein the dispersity coefficient is greater than 500,000.

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- 68. (Canceled)
- 69. (Currently Amended) The mixture according to Claim <u>72</u> [[68]], wherein the lower alkyl polyalkylene glycol moiety has at least 7 polyalkylene glycol subunits.
  - 70. (Canceled)
- 71. (Currently Amended) The mixture according to Claim <u>72</u> [[70]], wherein the oligomer further comprises a lipophilic moiety.
- 72. (Currently Amended) A mixture of conjugates each comprising a drug coupled to a polymer comprising a polypropylene glycol moiety, wherein the mixture has a dispersity coefficient (DC) greater than 10,000 where

$$DC = \frac{\left(\sum_{i=1}^{n} N_{i} M_{i}\right)^{2}}{\sum_{i=1}^{n} N_{i} M_{i}^{2} \sum_{i=1}^{n} N_{i} - \left(\sum_{i=1}^{n} N_{i} M_{i}\right)^{2}}$$

wherein:

n is the number of different molecules in the sample;

N<sub>i</sub> is the number of i<sup>th</sup> molecules in the sample; and

M<sub>i</sub> is the mass of the i<sup>th</sup> molecule The mixture according to Claim 68, wherein the lower alkyl polyalkylene glycol moiety is a polypropylene glycol moiety.

- 73. (Original) The mixture according to Claim 72, wherein the polypropylene glycol moiety is uniform.
- 74. (Original) The mixture according to Claim 73, wherein the oligomer is devoid of a lipophilic moiety, and wherein the conjugate is amphiphilically balanced such that it is aqueously soluble and able to penetrate biological membranes.
- 75. (Currently Amended) The mixture according to Claim <u>72</u> [[65]], wherein the drug is a polypeptide selected from the group consisting of adrenocorticotropic hormone

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peptides, adrenomedullin peptides, allatostatin peptides, amylin peptides, amyloid betaprotein fragment peptides, angiotensin peptides, antibiotic peptides, antigenic polypeptides, anti-microbial peptides, apoptosis related peptides, atrial natriuretic peptides, bag cell peptides, bombesin peptides, bone GLA peptides, bradykinin peptides, brain natriuretic peptides, C-peptides, C-type natriuretic peptides, calcitonin peptides, calcitonin gene related peptides, CART peptides, casomorphin peptides, chemotactic peptides, cholecystokinin peptides, colony-stimulating factor peptides, corticortropin releasing factor peptides, cortistatin peptides, cytokine peptides, dermorphin peptides, dynorphin peptides, endorphin peptides, endothelin peptides, ETa receptor antagonist peptides, ETb receptor antagonist peptides, enkephalin peptides, fibronectin peptides, galanin peptides, gastrin peptides, glucagon peptides, Gn-RH associated peptides, growth factor peptides, growth hormone peptides, GTP-binding protein fragment peptides, guanylin peptides, inhibin peptides, insulin peptides, interleukin peptides, laminin peptides, leptin peptides, leucokinin peptides, luteinizing hormone-releasing hormone peptides, mastoparan peptides, mast cell degranulating peptides, melanocyte stimulating hormone peptides, morphiceptin peptides, motilin peptides, neuro-peptides, neuropeptide Y peptides, neurotropic factor peptides, orexin peptides, opioid peptides, oxytocin peptides, PACAP peptides, pancreastatin peptides, pancreatic polypeptides, parathyroid hormone peptides, parathyroid hormone-related peptides, peptide T peptides, prolactin-releasing peptides, peptide YY peptides, renin substrate peptides, secretin peptides, somatostatin peptides, substance P peptides, tachykinin peptides, thyrotropin-releasing hormone peptides, toxin peptides, vasoactive intestinal peptides, vasopressin peptides, and virus related peptides.

76-77. (Canceled)

- 78. (Currently Amended) The mixture according to Claim <u>81</u> [[77]], wherein the <u>polypropylene</u> lower alkyl polyalkylene glycol moiety has at least 7 <u>polypropylene</u> polyalkylene glycol subunits.
  - 79. (Canceled)

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- 80. (Currently Amended) The mixture according to Claim <u>81</u> [[79]], wherein the oligomer further comprises a lipophilic moiety.
- (Currently Amended) A mixture of conjugates in which each conjugate: 81. comprises a drug coupled to an oligomer; and has the same number of polypropylene glycol subunits The mixture according to Claim 77, wherein the lower alkyl polyalkylene glycol moiety is a polypropylene glycol moiety.
- 82. (Original) The mixture according to Claim 81, wherein the polypropylene glycol moiety is uniform.
- 83. (Original) The mixture according to Claim 82, wherein the oligomer is devoid of a lipophilic moiety, and wherein the conjugate is amphiphilically balanced such that it is aqueously soluble and able to penetrate biological membranes.
- 84. (Currently Amended) The mixture according to Claim 81 [[76]], wherein the drug is a polypeptide selected from the group consisting of adrenocorticotropic hormone peptides, adrenomedullin peptides, allatostatin peptides, amylin peptides, amyloid betaprotein fragment peptides, angiotensin peptides, antibiotic peptides, antigenic polypeptides, anti-microbial peptides, apoptosis related peptides, atrial natriuretic peptides, bag cell peptides, bombesin peptides, bone GLA peptides, bradykinin peptides, brain natriuretic peptides, C-peptides, C-type natriuretic peptides, calcitonin peptides, calcitonin gene related peptides, CART peptides, casomorphin peptides, chemotactic peptides, cholecystokinin peptides, colony-stimulating factor peptides, corticortropin releasing factor peptides, cortistatin peptides, cytokine peptides, dermorphin peptides, dynorphin peptides, endorphin peptides, endothelin peptides, ETa receptor antagonist peptides, ETb receptor antagonist peptides, enkephalin peptides, fibronectin peptides, galanin peptides, gastrin peptides, glucagon peptides, Gn-RH associated peptides, growth factor peptides, growth hormone peptides, GTP-binding protein fragment peptides, guanylin peptides, inhibin peptides, insulin peptides, interleukin peptides, laminin peptides, leptin peptides, leucokinin peptides, luteinizing hormone-releasing hormone peptides, mastoparan peptides, mast cell degranulating peptides, melanocyte stimulating hormone peptides, morphiceptin peptides,

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motilin peptides, neuro-peptides, neuropeptide Y peptides, neurotropic factor peptides, orexin peptides, opioid peptides, oxytocin peptides, PACAP peptides, pancreastatin peptides, pancreatic polypeptides, parathyroid hormone peptides, parathyroid hormone-related peptides, peptide T peptides, prolactin-releasing peptides, peptide YY peptides, renin substrate peptides, secretin peptides, somatostatin peptides, substance P peptides, tachykinin peptides, thyrotropin-releasing hormone peptides, toxin peptides, vasoactive intestinal peptides, vasopressin peptides, and virus related peptides.

85. (Currently Amended) A mixture of conjugates in which each conjugate has the same molecular weight and has the formula:

$$Drug - \left[B - L_h - G_i - R_m - G'_j - R'_n - G''_k - T\right]_p$$
 (A)

wherein:

B is a bonding moiety;

L is a linker moiety;

G, G' and G" are individually selected spacer moieties;

R is a lipophilic moiety and R' is a <u>polypropylene</u> <del>polyalkylene</del> glycol moiety, or R' is the lipophilic moiety and R is the <u>polypropylene</u> <del>polyalkylene</del> glycol moiety;

T is a terminating moiety;

h, i, j, k, m and n are individually 0 or 1, with the proviso that when R is the polyalkylene glycol moiety; m is 1, and when R' is the polyalkylene glycol moiety, n is 1; and p is an integer from 1 to the number of nucleophilic residues on the drug.

- 86. (Canceled)
- 87. (Currently Amended) The mixture according to Claim <u>85</u> [[86]], wherein the <u>polypropylene</u> lower alkyl polyalkylene glycol moiety has at least 7 <u>polypropylene</u> polyalkylene glycol subunits.
  - 88. (Canceled)

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89. (Currently Amended) The mixture according to Claim <u>85</u> [[88]], wherein:

R is the polypropylene polyethylene glycol moiety;

R' is a lipophilic moiety;

n and m are 1; and

i, j and k are 0.

90. (Currently Amended) The mixture according to Claim <u>85</u> [[88]], wherein:

R is a lipophilic moiety;

R' is the polypropylene polyethylene glycol moiety;

n and m are 1; and

i, j and k are each 0.

- 91. (Canceled)
- 92. (Currently Amended) The mixture according to Claim <u>85</u> [[91]], wherein the polypropylene glycol moiety is uniform.
  - 93. (Original) The mixture according to Claim 92, wherein:

R is the polypropylene glycol moiety;

m is 1;

i, j, k and n are each 0; and

each conjugate in the mixture is amphiphilically balanced such that each conjugate is aqueously soluble and able to penetrate biological membranes.

94. (Original) The mixture according to Claim 85, wherein the drug is a polypeptide selected from the group consisting of adrenocorticotropic hormone peptides, adrenomedullin peptides, allatostatin peptides, amylin peptides, amyloid beta-protein fragment peptides, angiotensin peptides, antibiotic peptides, antigenic polypeptides, antimicrobial peptides, apoptosis related peptides, atrial natriuretic peptides, bag cell peptides, bombesin peptides, bone GLA peptides, bradykinin peptides, brain natriuretic peptides, C-peptides, C-type natriuretic peptides, calcitonin peptides, calcitonin gene related peptides, CART peptides, casomorphin peptides, chemotactic peptides, cholecystokinin peptides,

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colony-stimulating factor peptides, corticortropin releasing factor peptides, cortistatin peptides, cytokine peptides, dermorphin peptides, dynorphin peptides, endorphin peptides, endothelin peptides, ETa receptor antagonist peptides, ETb receptor antagonist peptides, enkephalin peptides, fibronectin peptides, galanin peptides, gastrin peptides, glucagon peptides, Gn-RH associated peptides, growth factor peptides, growth hormone peptides, GTP-binding protein fragment peptides, guanylin peptides, inhibin peptides, insulin peptides, interleukin peptides, laminin peptides, leptin peptides, leucokinin peptides, luteinizing hormone-releasing hormone peptides, mastoparan peptides, mast cell degranulating peptides, melanocyte stimulating hormone peptides, morphiceptin peptides, motilin peptides, neuropeptides, neuropeptide Y peptides, neurotropic factor peptides, orexin peptides, opioid peptides, oxytocin peptides, PACAP peptides, pancreastatin peptides, pancreatic polypeptides, parathyroid hormone peptides, parathyroid hormone-related peptides, peptide T peptides, prolactin-releasing peptides, peptide YY peptides, renin substrate peptides, secretin peptides, somatostatin peptides, substance P peptides, tachykinin peptides, thyrotropinreleasing hormone peptides, toxin peptides, vasoactive intestinal peptides, vasopressin peptides, and virus related peptides.

- 95. (Canceled)
- 96. (Currently Amended) A process for synthesizing a substantially monodispersed mixture of conjugates each conjugate comprising a drug coupled to an oligomer that comprises a polyethylene glycol moiety, said process comprising:

reacting a substantially monodispersed mixture comprising compounds having the structure of Formula I:

$$R^{1}(OC_{2}H_{4})_{m}-O^{T}X^{+}$$
 (I)

wherein  $R^1$  is H or a lipophilic moiety; m is from 1 to 25; and  $X^+$  is a positive ion,

with a substantially monodispersed mixture comprising compounds having the structure of Formula II:

$$\frac{R^2(OC_2H_4)_n-OMs}{}$$
 (II)

wherein R<sup>2</sup> is a fatty acid moiety or an ester of a fatty acid moiety; and n is from 1

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to 25,

under conditions sufficient to provide a substantially monodispersed mixture comprising polymers having the structure of Formula III:

$$R^{2}(OC_{2}H_{4})_{m+n}-OR^{1}$$
 (III);

activating the substantially monodispersed mixture comprising polymers of Formula

III to provide a substantially monodispersed mixture of activated polymers capable of reacting with a drug; and

reacting the substantially monodispersed mixture of activated polymers with a drug under conditions sufficient to provide a substantially monodispersed mixture of conjugates each comprising a drug coupled to an oligomer that comprises a polyethylene glycol moiety with m+n subunits The process according to Claim 95, wherein R<sup>2</sup> is a fatty acid moiety or an ester of a fatty acid moiety.

- 97. (Original) The process according to Claim 96, wherein the fatty acid moiety or the ester of a fatty acid moiety comprises an alkyl moiety at least 5 carbon atoms in length.
- 98. (Currently Amended) The process according to Claim <u>96</u> [[95]], wherein R<sup>1</sup> is a methyl group.
- 99. (Currently Amended) The process according to Claim <u>96</u> [[95]], further comprising:

reacting a substantially monodispersed mixture comprising compounds having the structure of Formula V:

$$R^2(OC_2H_4)_n$$
-OH (V)

with a methanesulfonyl halide under conditions sufficient to provide a substantially monodispersed mixture comprising compounds having the structure of Formula II:

$$R^2(OC_2H_4)_n$$
-OMs (II).

100. (Currently Amended) The process according to Claim <u>96</u> [[95]], further comprising:

reacting a substantially monodispersed mixture comprising compounds having the structure of Formula VI:

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$$R^2$$
-OMs (VI)

wherein R<sup>2</sup> is a lipophilic moiety;

with a substantially monodispersed mixture comprising compounds having the structure of Formula VII:

$$R^{3}(OC_{2}H_{4})_{m}-O^{-}X_{2}^{+}$$
 (VII)

wherein  $R^3$  is benzyl, trityl, or THP; and  $X_2^+$  is a positive ion; under conditions sufficient to provide a substantially monodispersed mixture comprising compounds having the structure of Formula VIII:

$$R^3(OC_2H_4)_m$$
-OR<sup>2</sup> (VIII); and

reacting the substantially monodispersed mixture comprising compounds having the structure of Formula VIII under conditions sufficient to provide a substantially monodispersed mixture comprising compounds having the structure of Formula V:

$$R^2(OC_2H_4)_m$$
-OH (V).

101. (Currently Amended) The process according to Claim <u>96</u> [[95]], further comprising:

reacting a substantially monodispersed mixture comprising compounds having the structure of Formula IV:

$$R^{1}(OC_{2}H_{4})_{n}$$
-OH (IV)

under conditions sufficient to provide a substantially monodispersed mixture comprising compounds having the structure of Formula I:

$$R^{1}(OC_{2}H_{4})_{n}-O^{T}X^{+}$$
 (I).

- 102. (Currently Amended) The process according to Claim <u>96</u> [[95]], wherein the activating of the substantially monodispersed mixture comprises reacting the substantially monodispersed mixture of polymers of Formula III with N-hydroxy succinimide to provide an activated polymer capable of reacting with a drug.
- 103. (Currently Amended) The process according to Claim <u>96</u> [[95]], wherein the drug is a polypeptide, and wherein the reacting of the substantially monodispersed mixture of activated polymers with a substantially monodispersed mixture of polypeptides comprises:

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reacting the substantially monodispersed mixture of activated polymers with one or more amino functionalities of the polypeptide to provide a substantially monodispersed mixture of conjugates each comprising the polypeptide coupled to an oligomer that comprises a polyethylene glycol moiety with m+n subunits.

- 104. (New) A pharmaceutical composition comprising: the mixture according to Claim 10; and a pharmaceutically acceptable carrier.
- 105. (New) A pharmaceutical composition comprising: the mixture according to Claim 17; and a pharmaceutically acceptable carrier.
- 106. (New) A pharmaceutical composition comprising: the mixture according to Claim 39; and a pharmaceutically acceptable carrier.
- 107. (New) A pharmaceutical composition comprising: the mixture according to Claim 61; and a pharmaceutically acceptable carrier.
- 108. (New) A pharmaceutical composition comprising: the mixture according to Claim 72; and a pharmaceutically acceptable carrier.
- 109. (New) A pharmaceutical composition comprising: the mixture according to Claim 81; and a pharmaceutically acceptable carrier.
- 110. (New) A pharmaceutical composition comprising: the mixture according to Claim 85; and a pharmaceutically acceptable carrier.